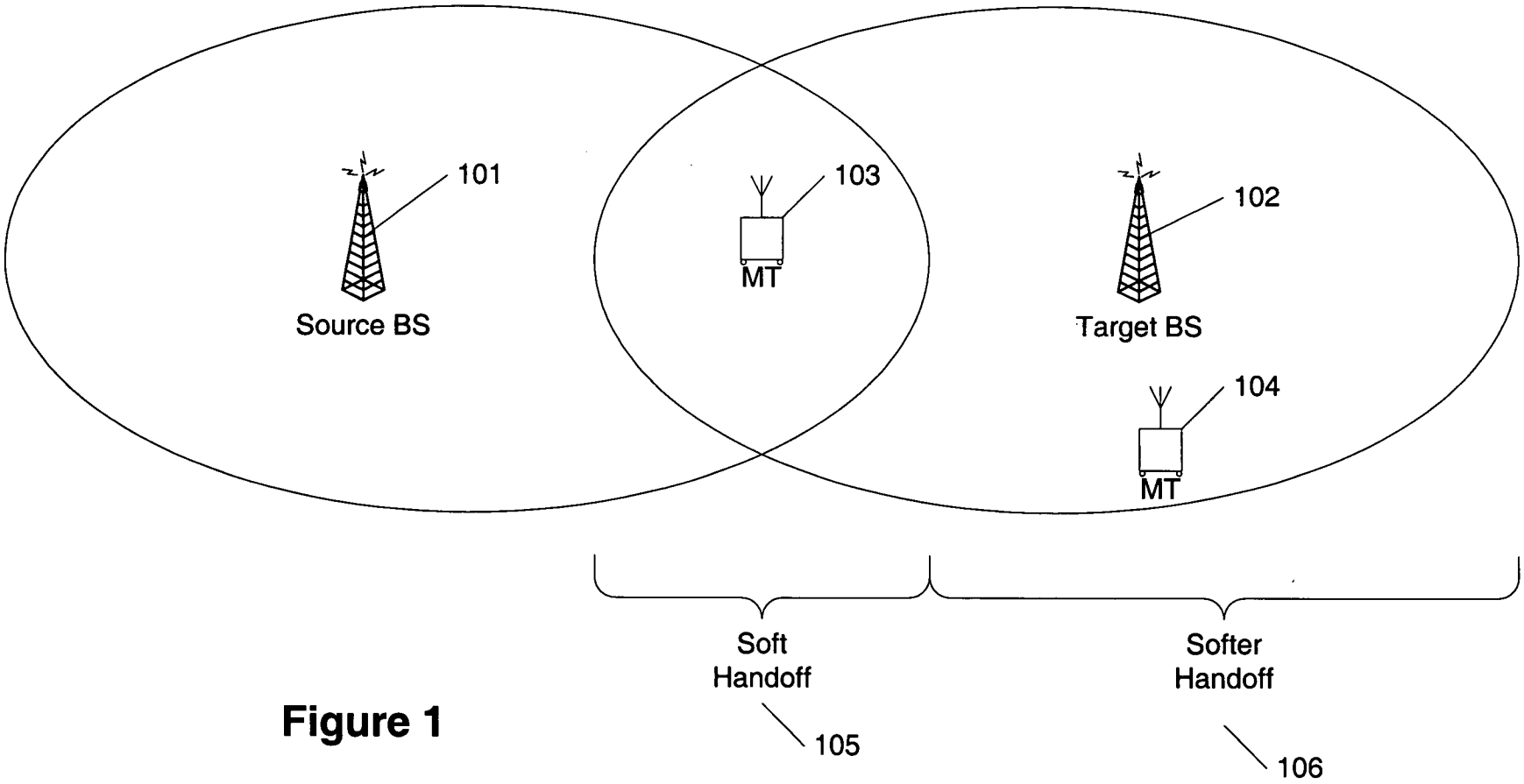

101
Source BS
103
MT
102
Target BS
104
MT
Soft
Handoff
105
Softer
Handoff
106

Figure 1

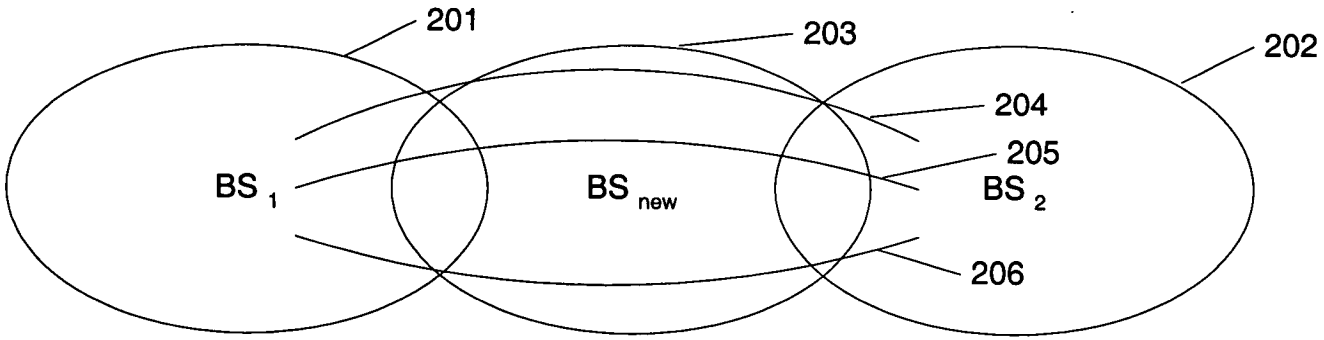


Figure 2A

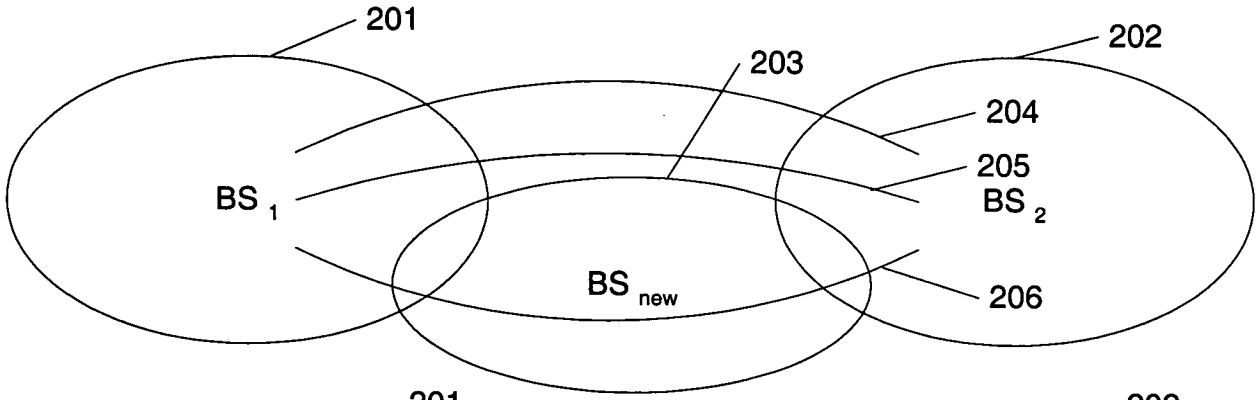


Figure 2B

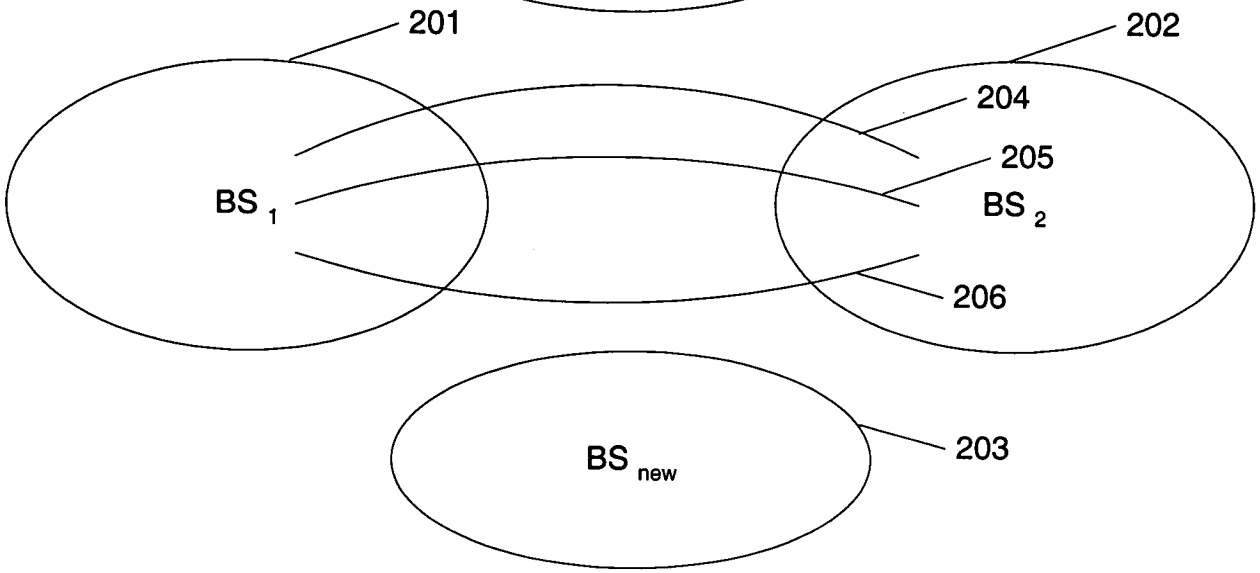


Figure 2C

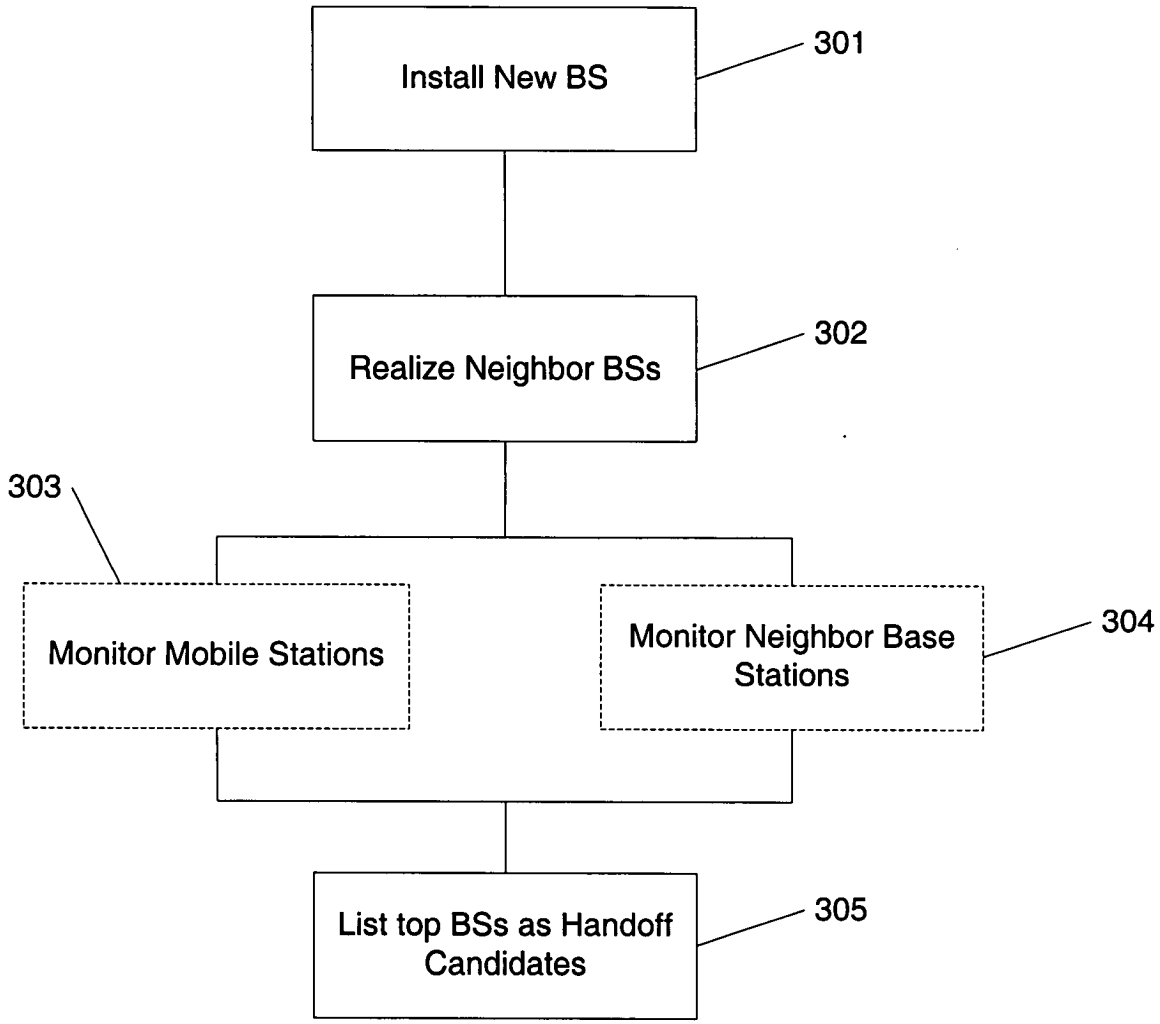

Install New BS
301
Realize Neighbor BSs
302
303
Monitor Mobile Stations
Monitor Neighbor Base Stations
304
List top BSs as Handoff Candidates
305

Figure 3

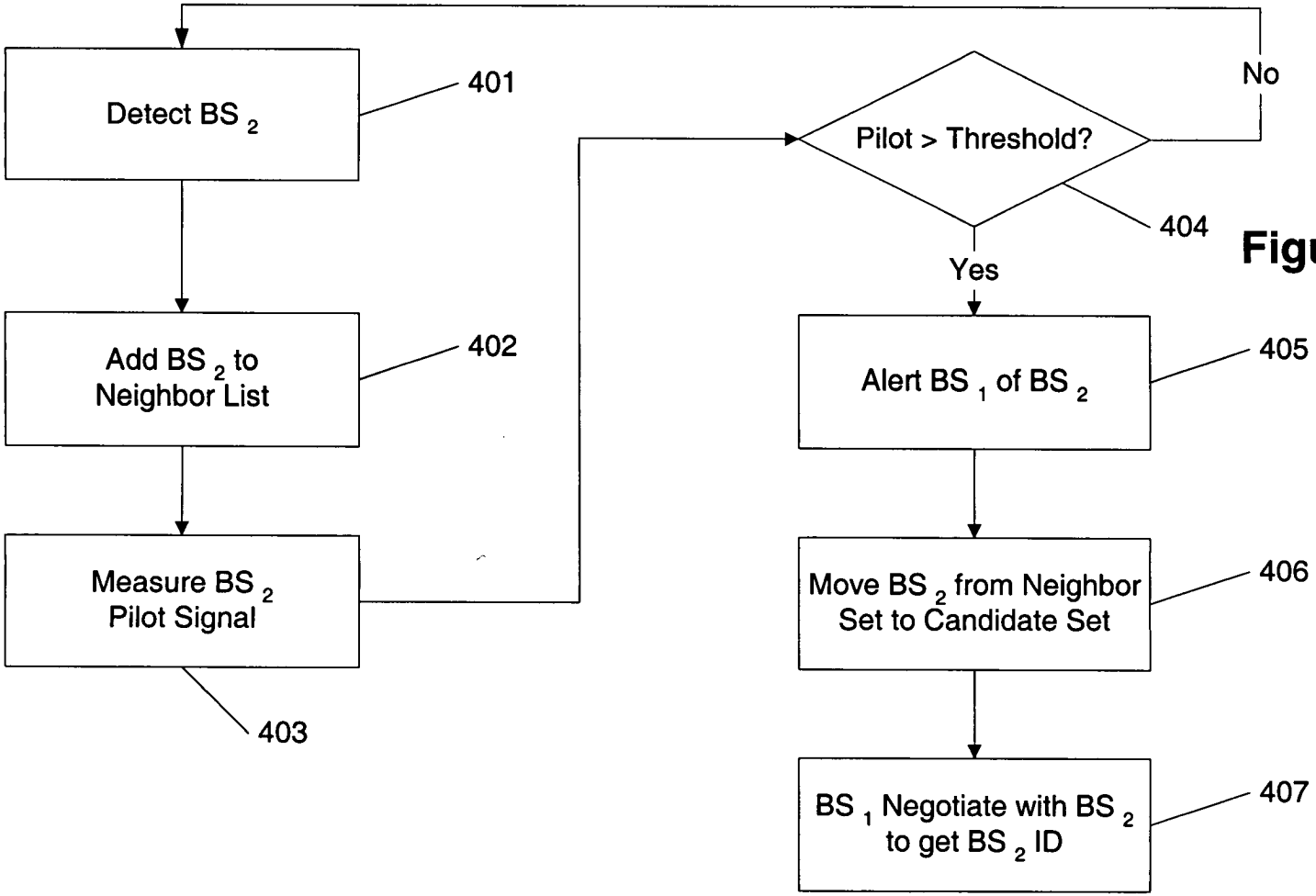
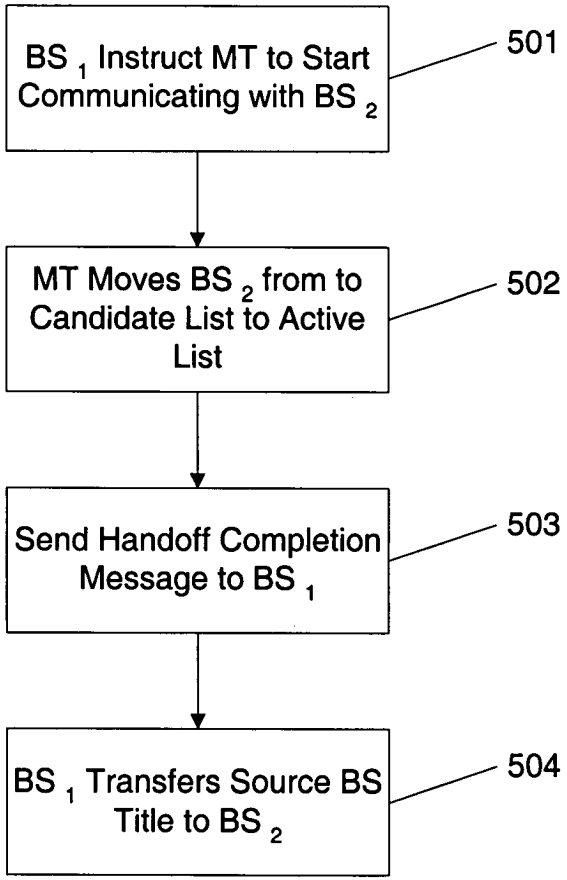

Detect BS 2
401
Add BS 2 to Neighbor List
402
Measure BS 2 Pilot Signal
403
Pilot > Threshold?
404
No
Yes
Alert BS 1 of BS 2
405
Move BS 2 from Neighbor Set to Candidate Set
406
BS 1 Negotiate with BS 2 to get BS 2 ID
407

Figure 4

Figure 5


BS 1 Instruct MT to Start Communicating with BS 2
501
MT Moves BS 2 from to Candidate List to Active List
502
Send Handoff Completion Message to BS 1
503
BS 1 Transfers Source BS Title to BS 2
504

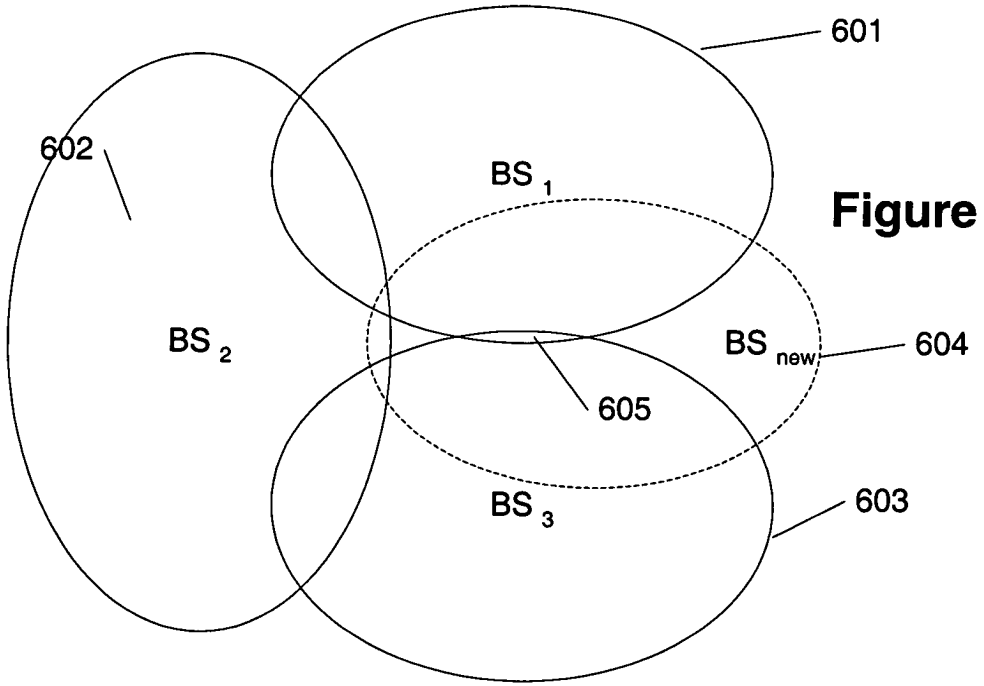


Figure 6A

TOCTHO: 55855860

Figure 6B

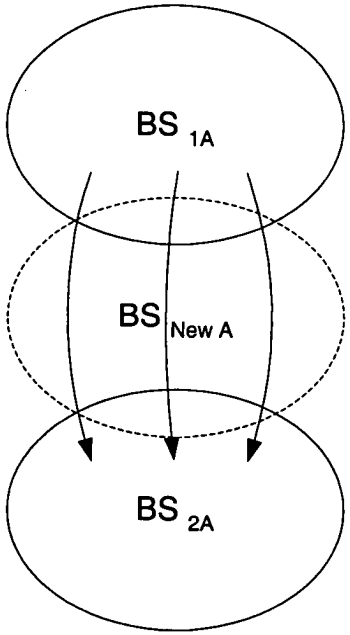


Figure 6C

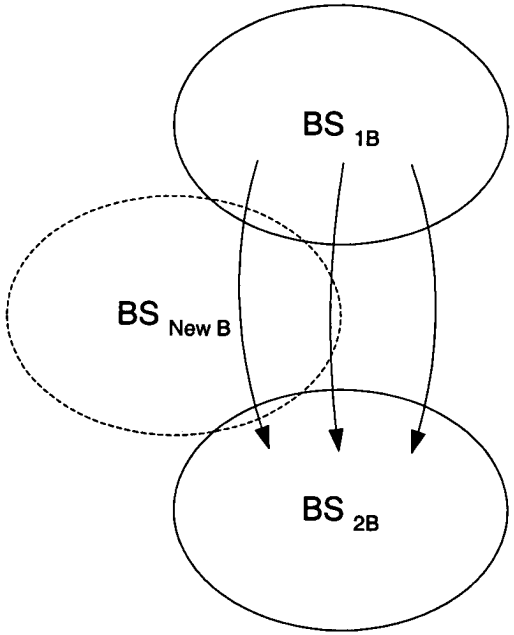
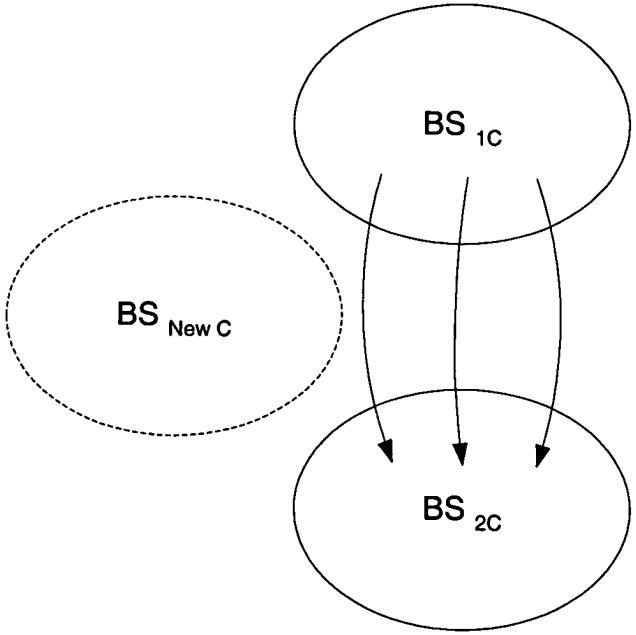


Figure 6D



FOLIO: 5585860

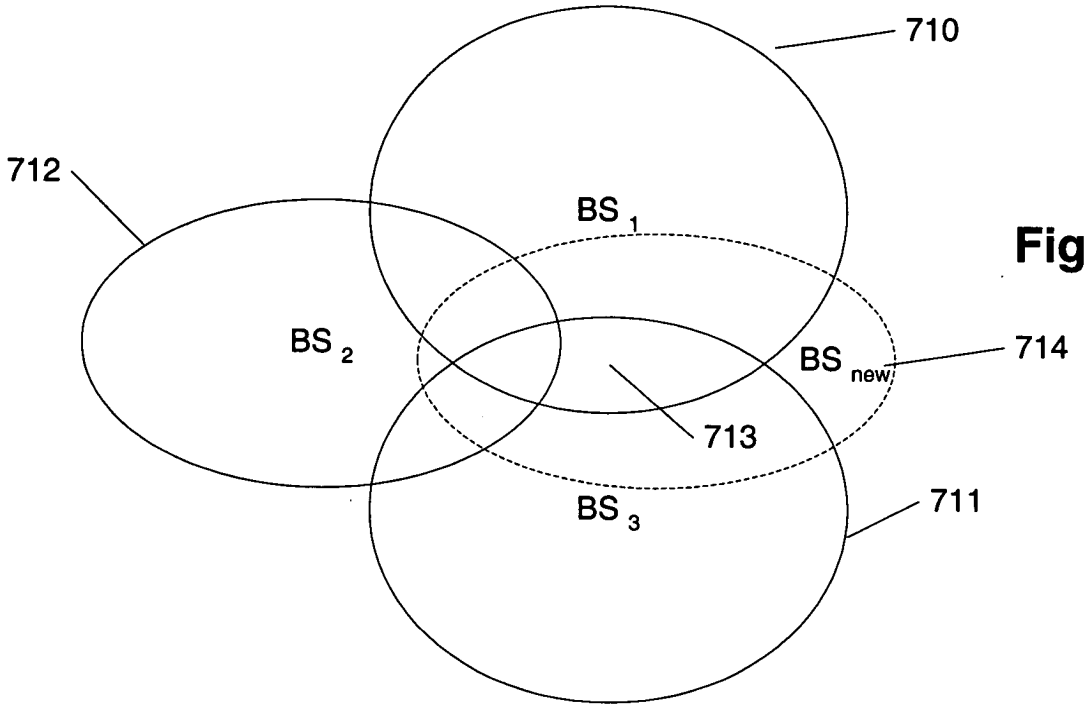


Figure 7A

Figure 7B

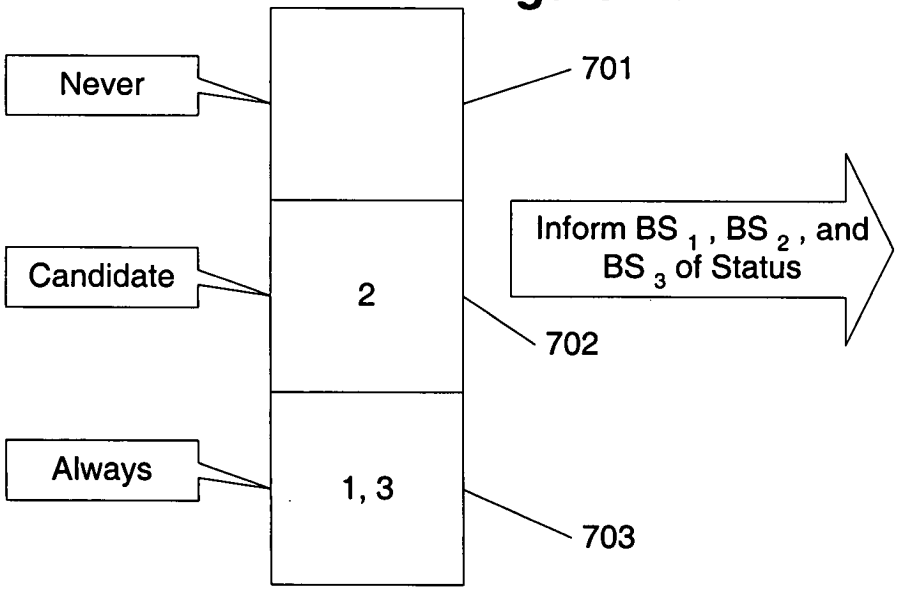
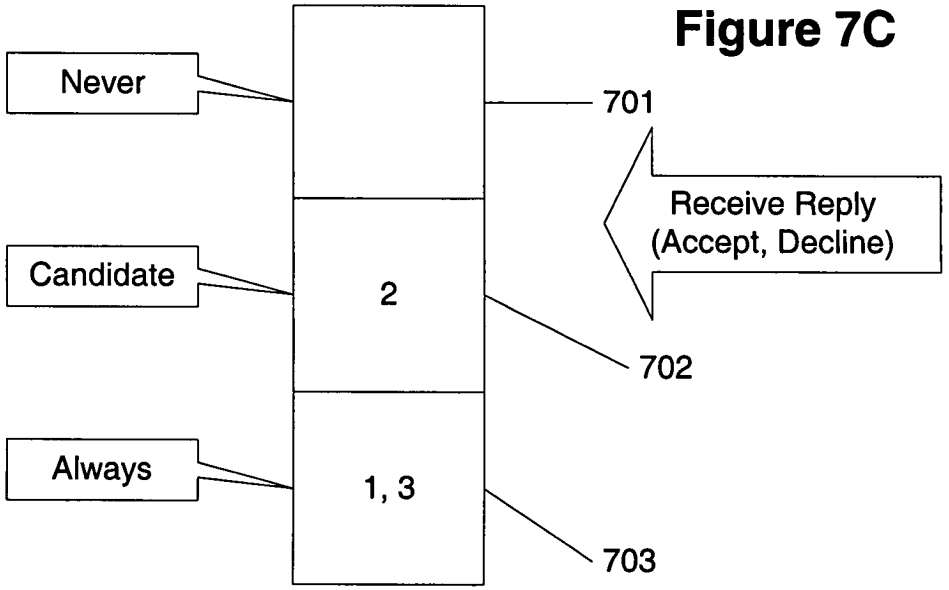


Figure 7C



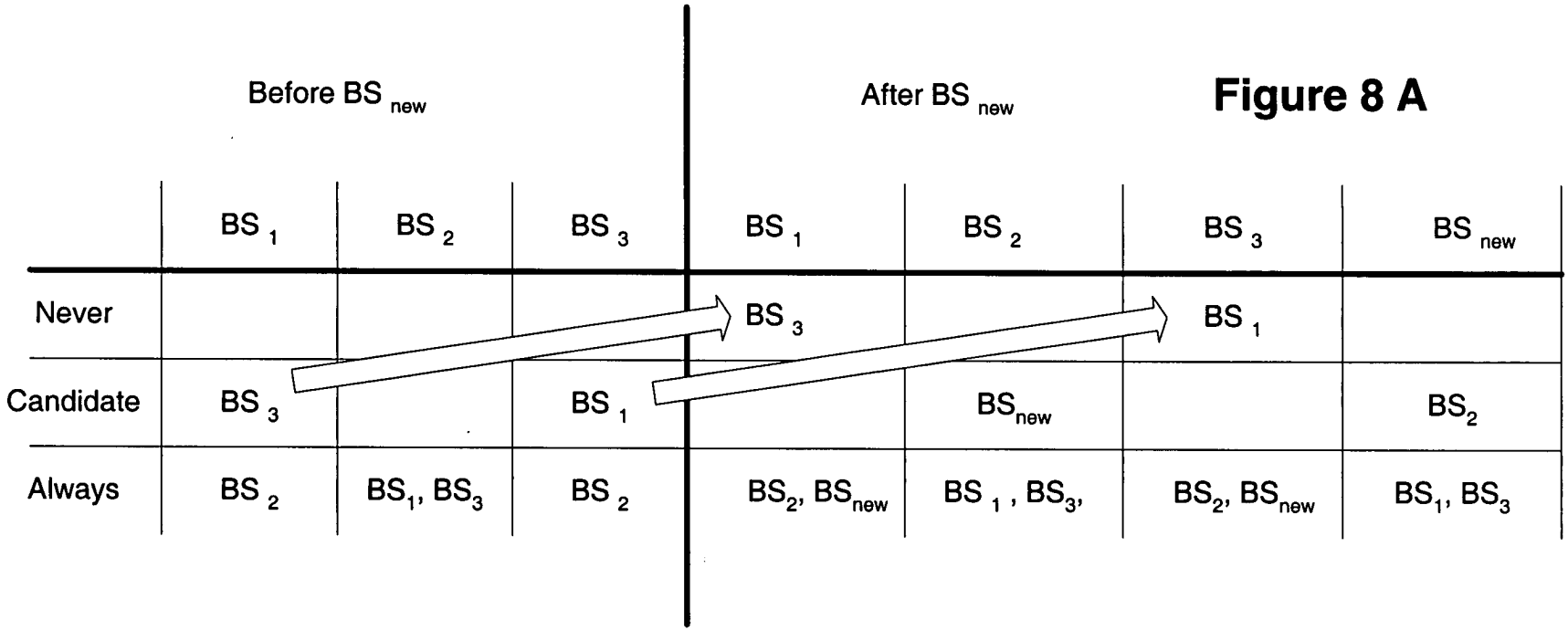


Figure 8 A

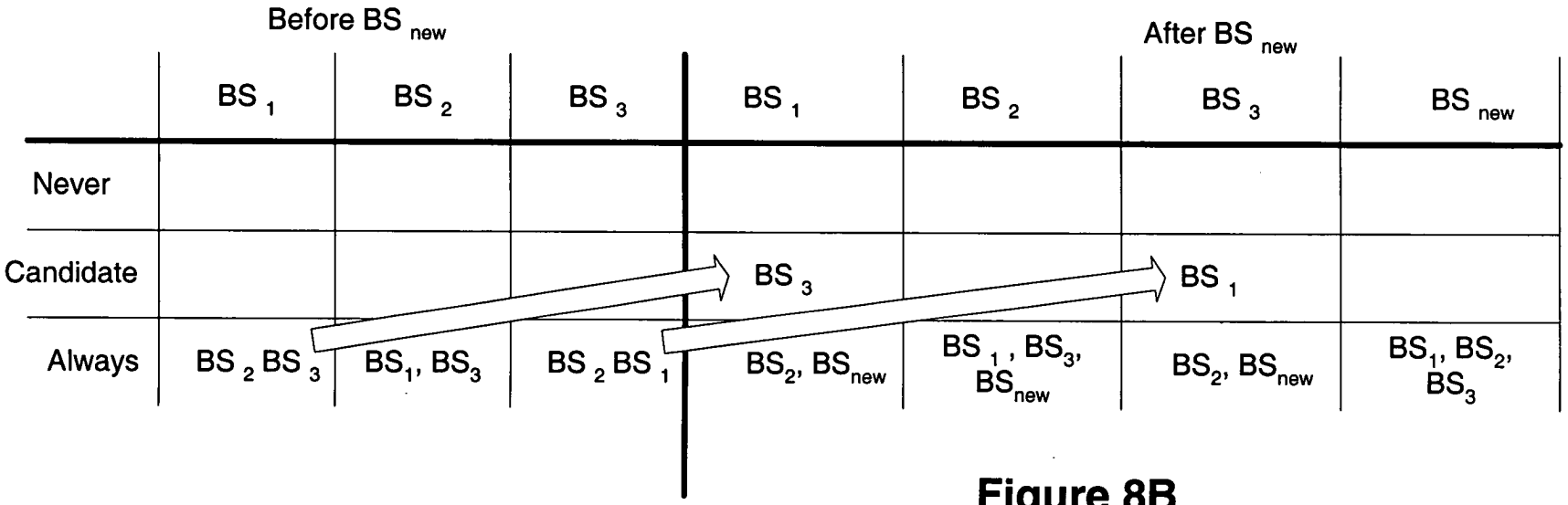


Figure 8B

Figure 9

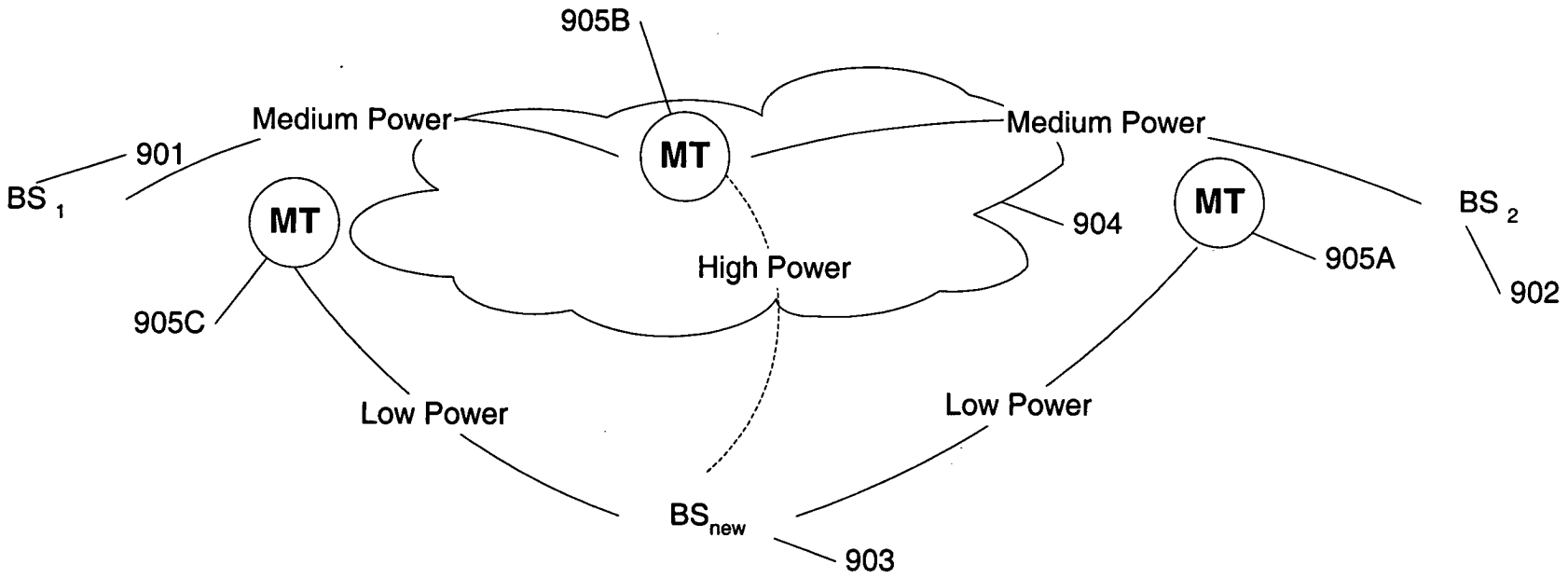

905B
Medium Power
Medium Power
901
MT
BS 1
MT
MT
BS 2
904
905A
High Power
905C
902
Low Power
Low Power
BS new
903

Figure 10

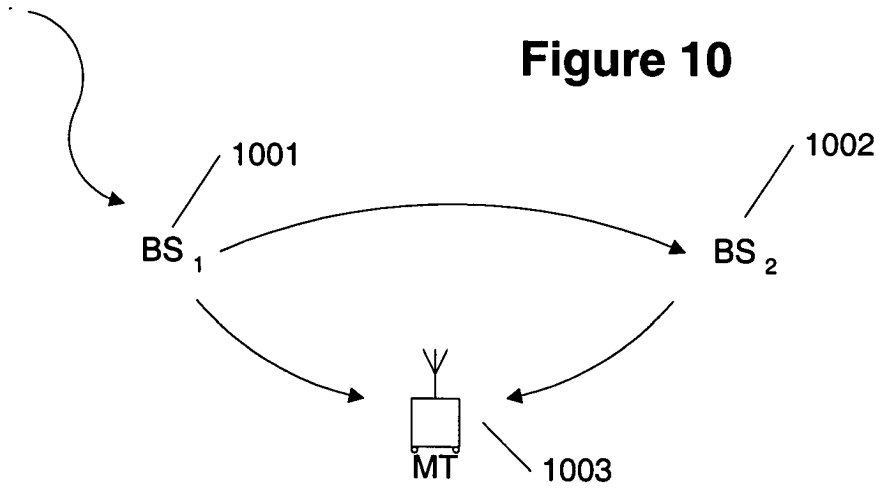
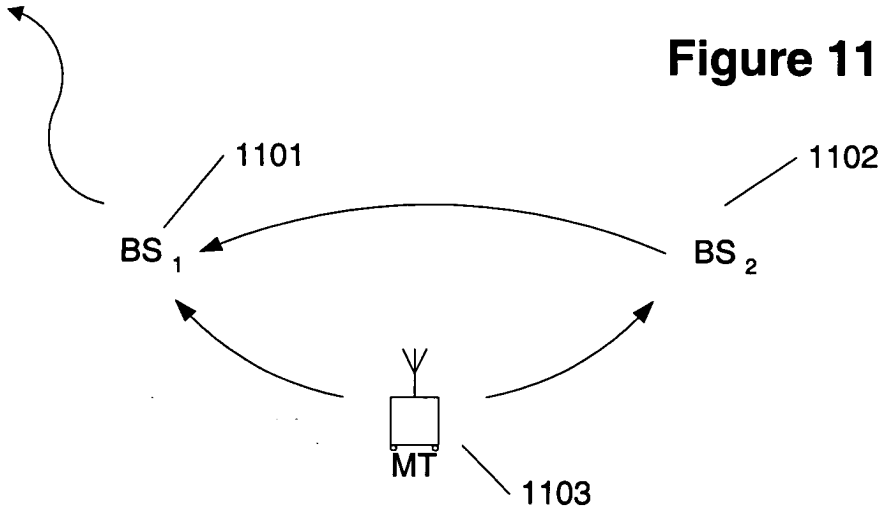


Figure 11



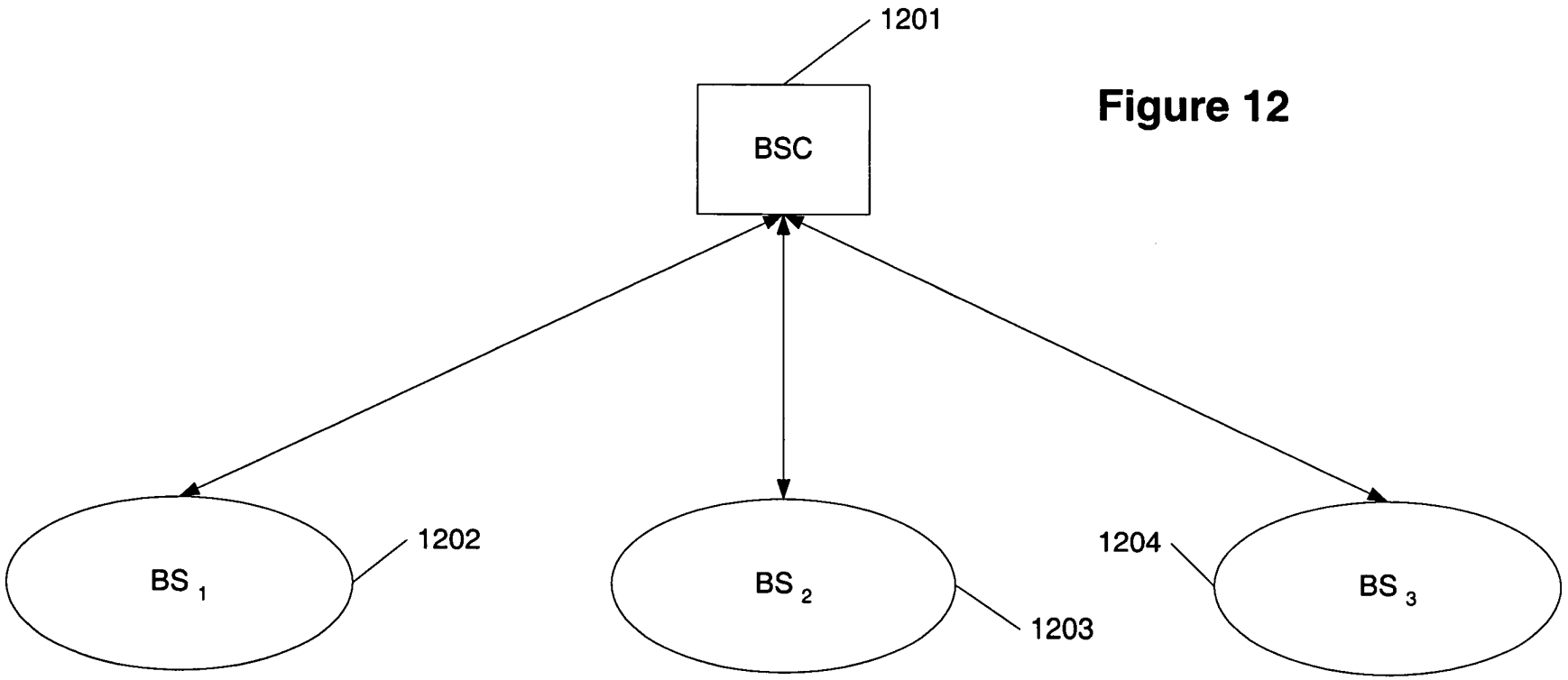


Figure 12

Prior Art

EP 2 784 960 A1

Figure 13A

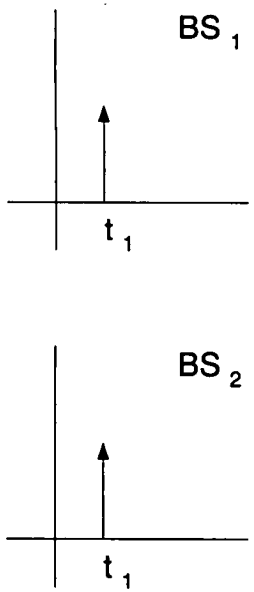


Figure 13B

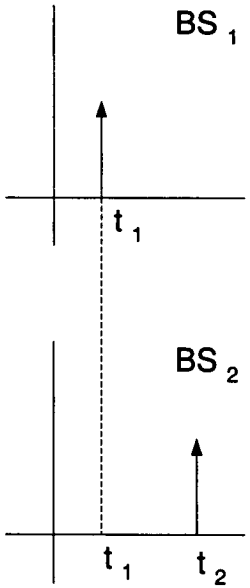
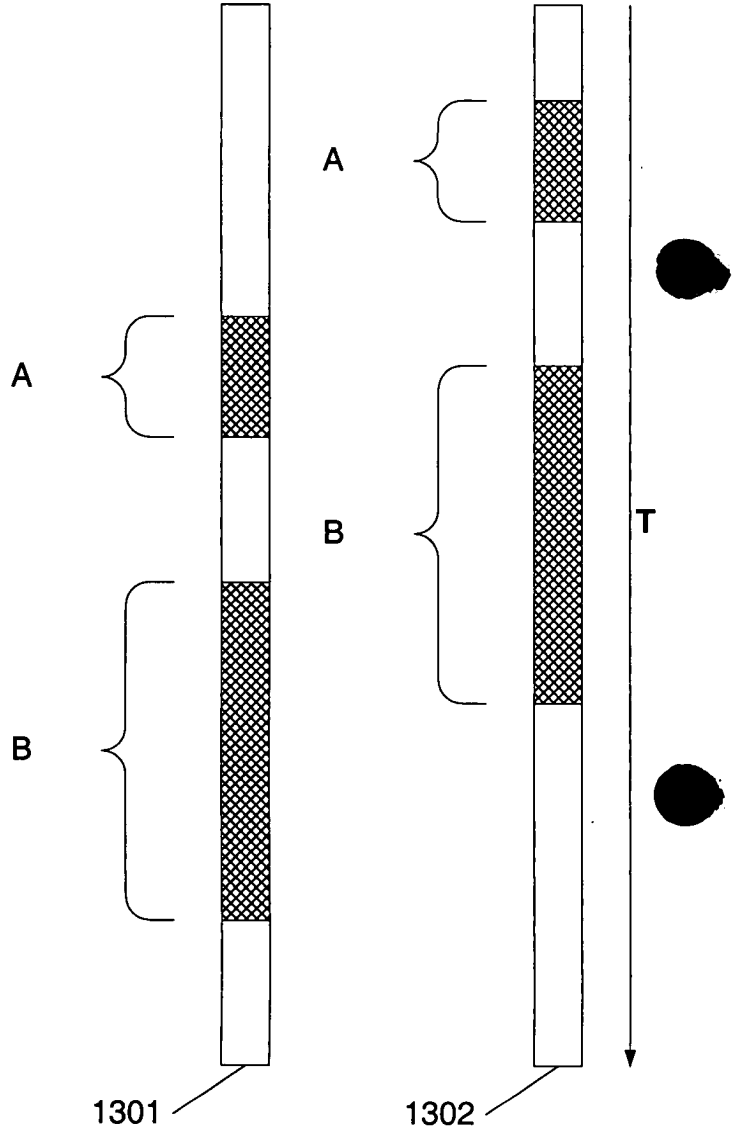



Figure 13B